

Product datasheet for **MR224144**

Spata1 (NM_027617) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spata1 (NM_027617) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Spata1
Synonyms:	4921536I21Rik; AV266943; SP-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR224144 representing NM_027617
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCGCTCAATCCAAGTCGACCATCTTCATCAGAGTTGGTGGAACTTCATGTTTTTTATGTCCCTGAAG
 GATCGTGGAACTATAAATTAATACTATTTCAATAGAAGTTATTAACAACCTTTATTTCTGCTGGATTAT
 AAGAGTATCTCCTCAGCTTACCTTACAAGCTCTGAGGGAGCGTCTGGGGAGTTTCTTGGTGTAGATGCT
 GTTGACAGAAAAATTTTTGTTTCTGAAATGCATTGGAAATAATTTAGCTGTGGTAAAGGAAAAACAAGAA
 CAGAAGCTGAAACTCAAATCATTGCTCCTCCATATGCTCTTCAACCAGAATTATATTTGCTTCTGTAAT
 AGATCACTTAGGAAATGTTTATTCAGCATCAACAGTTACTTTAGATGAACAGGAGAGTATTAATGATACT
 ACGGAGATTAATGGAACAATCTACAGACCAGATAGTGTATCTTTGTCAAAGGATGAACCTGGAAATCCAA
 GTTTGTTGGAAAAACATGGAGAGACTTACAATCAGGAAGAAGCTGAGGAAAGCCAACCTACACAAAA
 TCACTTTGGAAATCCAAGTTGCTGGGATCATTGGAAGAATCAAACGATTATTTGGGAACCTAAAAAGT
 CCATTTCTTTGAAAAATGATGATGAGGAGGAGGATGAGGAGAAGGATAACGCAGCTCTCAGCAGAAGGC
 AGGCCACACTGGTGTGTGACAAGGAGTGCACTGCCCTGCCAGATCTGATTGATTTCCCTTCATTTCTTC
 TCAGCGGGTTTCTTCAAGATTAAGTATACCTCTTTATTAATAAATTTGAGAGAGAGAAGATTATTGAACAA
 ATGAAACAAGTAAAGGAAGAACGAAAAATCTGAAAAATATTAGAGAAGAACTAATAAAAAAAGTTGATA
 AGCTATTTGAACAAAAATAATCGAAACGATATCATGCCTCTGACAGCTGGAAGAAAAAATACCTTGACAC
 CAAGAAAGTCACAGCATCATTGGAGGAAGTTTTAACAAAACCTCGAGAAGATTGGAACTTTACTATAAA
 AAAGTCTCATGCAGCTTGAAGCCAGGGAGATCAAGATGCGACCAAGGAATTTGGCAAATATCTCAGATT
 CTAAGAATTATCTATAATCCAGATTACTGAAGTACAGCACGCAATTGACCACTTAAGAGAAAAATGGGA
 TACTGATAAAATGAAACTCATATTAGAAGTTAAGATGAGAAAAACAAGCAGTTTCAGATTTACAGACATTA
 AAAGCTGATCTGACACAGAAGAAAAATGGGTGCACCTTTCCGACCTCCGATGTTTTCTGGAAGTGTGCCAA
 CC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR224144 representing NM_027617
 Red=Cloning site Green=Tags(s)

MSLNPSRPSSSELVELHFVYVPEGSWNYKLNITISIEVINNFISAGFIRVSPQLTLQALRERLGEFLGVDA
 VAEKFLFLKICIGNNLAVVKEKQESLKLKSFAPPYALQPELYLLPVIDHLGNVYSASTVTLDEQESINDT
 TEINGTIYRPDSVSLSKDEPGNPSLLENTWRDFTNQEEAESQPTQNHFGNSKLLGSLEESNDYFNLKS
 PFLWKNDDEEEDKNAALSRQATLVCDKECTALPDLIDFSPFSPQRVSSRLTDTSLKIEREKIEEQ
 MKQVKEERKYLENIREELIKKVDKLFQNKSKRYHASDSWKKKYLDTKKVTASLEEVLTKLREDLELYYK
 KLLMQLEAREIKMRPRNLANISDSKNYLIQITEVQHAIDQLKRKLDTDKMKLILEVKMRKQAVSDLQTL
 KADLTQKKMGAPFRPPMFSGSVPT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9078_e10.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_027617

ORF Size: 1332 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_027617.3](#), [NP_081893.1](#)

RefSeq Size: 1920 bp

RefSeq ORF: 1335 bp

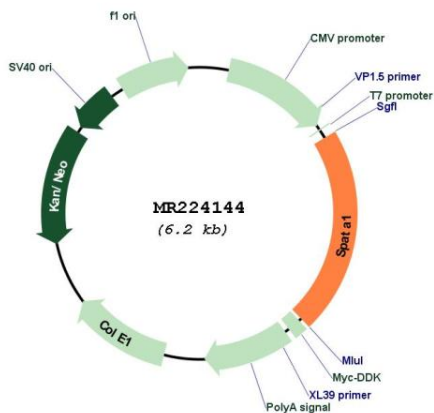
Locus ID: 70951

UniProt ID: [Q9D5R4](#)

Cytogenetics: 3 H2

MW: 51.1 kDa

Product images:



Circular map for MR224144